

# Inspire with Aerospace Education



## Civil Air Patrol's Aerospace Education Membership Program

**Featuring the Aerospace Education Excellence Award Program**

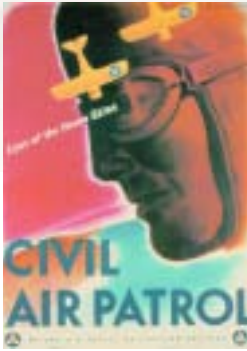
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A fun and exciting way to motivate students in science, math and technology that aligns with National Content Standards. **FREE** to CAP Aerospace Education Members!

[www.cap.gov/ae](http://www.cap.gov/ae)

**Inspiring Students to Excel**


# Let your classroom take flight



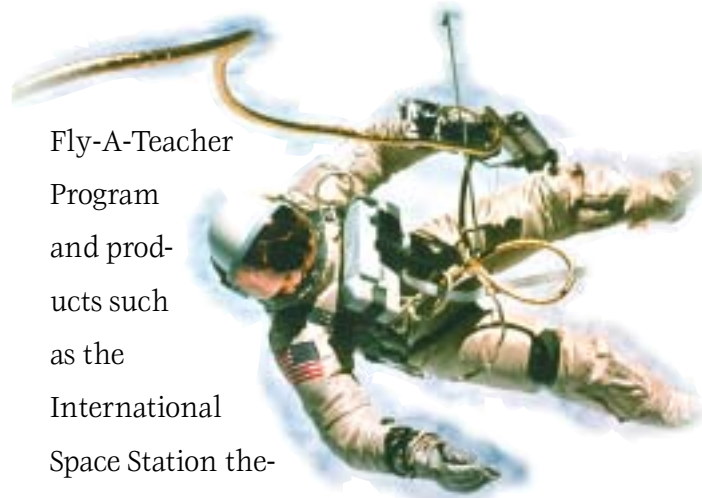
## A brief history lesson

Formed December 1, 1941, Civil Air Patrol is a nonprofit, humanitarian organization and the official auxiliary of the United States Air Force. The approximately 56,000 volunteer members carry out the mission of Civil Air Patrol which includes search and rescue and disaster relief as well as promoting aerospace education nationwide.

## Aerospace is for everyone!



CAP promotes the use of aerospace education themes to help educators excite and motivate their students to excel in science, math, technology, language arts, social studies, and other traditional subjects. The Aerospace Education Member (AEM) is a special CAP membership category that entitles educators to access products and programs designed especially for teaching aerospace and integrating this fascinating subject into the curriculum. One program that excites AEMs is the Aerospace Education Excellence (AEX) Award Program. Other programs such as the



### Fly-A-Teacher

Program  
and products such  
as the

International  
Space Station thematic unit help

educator members inspire their students.

For additional information on the CAP  
Aerospace Education program, go to  
[www.cap.gov/ae](http://www.cap.gov/ae).



**"I joined CAP as an Aerospace Education Member and got wonderful classroom materials for kindergarten through eighth grade. They've helped me create some unique learning activities."**

*Mary Gurley, AEM and the Air Force Association Aerospace Education Foundation's Alabama Teacher of the Year, 2004*



# Becoming crewmembers (AEMs):

## AEM membership criteria

- Citizen of the United States or alien admitted for permanent residence;
- Never convicted or pled guilty to a felony (state or federal) or currently charged with a felony; and
- Honorably discharged from the armed forces, if served.

## AEM membership restrictions

- AEMs are not authorized to wear CAP uniform, hold CAP grade or participate in the senior member program.
- AEMs may not serve in authorized senior member positions in a CAP unit at any level.
- Special permission is required for flights in Civil Air Patrol aircraft.
- Aerospace Education Membership time is not credited towards retirement in CAP.

## Screening

Each application will be screened for completeness and eligibility. Membership must be approved by the CAP Executive Director or designee.

## Membership year

The member year starts on the date the AEM application is approved by CAP, and the individual's name appears on the National Headquarters' database. It terminates one year later on the last day of the application approval month. Note: If the AEM application is disapproved, the applicant's dues are refunded.

## Transfer to regular CAP membership

To transfer from AEM to regular CAP membership (at no additional cost) submit a CAP Form 12 "Application Senior Membership in Civil Air Patrol" with "AEM to Senior - No Charge" annotated across the top, along with an FBI fingerprint card through your local CAP unit.

Note: A current CAP ID card is required to receive CAP AEM benefits. Also, if you wish to use the e-services portion of the CAP Web site, you must be a member with an ID number. The address is [www.cap.gov](http://www.cap.gov).

## Crewmember (AEM) benefits include:

- Civil Air Patrol membership card
- Aerospace Education Membership certificate
- "CAP Magazine"
- "AE News" (bimonthly newsletter)
- E-news (on-line monthly AE news update)
- Free national standards-based aerospace educational materials upon request (see enclosed list in new member welcome packet)
- Low-cost aerospace textbooks
- **Fly A Teacher** orientation flight in powered aircraft
- Eligibility to apply for grants to teach aerospace education
- Access to CAP regional and national conferences as well as CAP sponsored workshops
- Access to Satellite Tool Kit computer software
- Aerospace education speakers and resources nationwide
- AEX Program
- AEX College Course (opportunity to earn college credit)
- Continuing education or professional development opportunities
- Tax benefits, including deductible membership dues and mileage to conferences and activities
- ...and much more.



**"I told my students about this wonderful Fly A Teacher experience and they wanted to know how they could fly and see things as I had seen them."**

*Michael Walden, AEM*

# Civil Air Patrol Aerospace Education Membership Application



Social Security Number		
Name		
Residence Address		
City	State	Zip Code
Daytime Phone	E-mail address	
<input type="checkbox"/> Male	<input type="checkbox"/> Female	Birth Date

## EDUCATION

- ☐ AA  
☐ BA or BS  
☐ MA or MS  
☐ Ed.D. / PH.D.

## EMPLOYMENT

- ☐ Teacher  
☐ Counselor  
☐ Principal  
☐ Superintendent

## EXPERIENCE

- ☐ 1 Year  
☐ 2-5 Years  
☐ 6-10 Years  
☐ 10- More Years

## CLASSROOM TEACHING LEVEL (S)

- ☐ Kindergarten - grade 2  
☐ Grades 3-6  
☐ Junior High School  
☐ High School ☐ AFJROTC  
☐ College ☐ AFROTC

☐ Homeschool

☐ Organization Name \_\_\_\_\_

## BACKGROUND

- |                                                      |                                                          |                               |
|------------------------------------------------------|----------------------------------------------------------|-------------------------------|
| 1. Citizen of the United States?                     | <input type="checkbox"/> Yes <input type="checkbox"/> No |                               |
| 2. If no, are you a resident alien with green card?  | <input type="checkbox"/> Yes <input type="checkbox"/> No | If "no," attach explanation.  |
| 3. Ever convicted of a felony?                       | <input type="checkbox"/> Yes <input type="checkbox"/> No | If "yes," attach explanation. |
| 4. Are you <b>currently</b> charged with any felony? | <input type="checkbox"/> Yes <input type="checkbox"/> No | If "yes," attach explanation. |
| 5. Served in the armed forces?                       | <input type="checkbox"/> Yes <input type="checkbox"/> No |                               |
| 6. If yes, were you honorably discharged?            | <input type="checkbox"/> Yes <input type="checkbox"/> No | If "no," attach explanation.  |

## MEMBERSHIP FEE \$35.00 per year

- ☐ School Purchase Order attached  
☐ Check ---- payable to National Headquarters, Civil Air Patrol  
☐ Credit card --- complete the form below: ☐ Visa ☐ Master Card

Credit Card Number	
Expiration Date	
Daytime Telephone	
Name as it appears on credit card	
Signature of credit card holder	

## Send To:

**CIVIL AIR PATROL/LMA**  
 Aerospace Education Membership  
 105 S. Hansell St., Building 714  
 Maxwell AFB, AL 36112-6332  
 FAX: (334) 953-4235  
 E-mail: aex@cap.gov  
 Information: (334)953-4213

## SIGNATURE OF APPLICANT

## DATE

I certify that this applicant is accepted as a member of Civil Air Patrol. Membership commences on the date processed by National Headquarters and the individual's name appears on the National Headquarters database.

NATIONAL COMMANDER'S DESIGNEE / NATIONAL HEADQUARTERS REVIEW: INITIAL / DATE \_\_\_\_\_

# Now boarding for AEX ...

## Flexibility

This exciting program can be presented by an educator to students any time during the school year.

## Variety

Educators can select activities from four age-appropriate books (AEX I and AEX I Vol II are designed for K-5 and AEX II and AEX II Vol II are for grades 6-12). Each book contains numerous fun-filled, hands-on, educational activities to excite and motivate students. National Content Standards have been identified for each activity.



## Rewards

Educator participation is rewarded with a beautiful plaque and each student receives an impressive Certificate of Completion (see samples).



As an added reward, educators may choose to receive one hour of graduate credit through Adams State College if they qualify. To find out more about this reward, click on [aex@cap.gov](mailto:aex@cap.gov).

## What to do...

- Participants must be current Aerospace Education Members (if you are not an AEM, join today by filling out the application on page 4).
- Complete page 6 to participate in the AEX program for either K-5 or 6-12 grades.
- Participants can select activities from the AEX activity books. Six activities must be completed during the current school year.



Three of the six activities must be from the AEX curriculum. Activities outside of the AEX activity books require copies of lesson plans to be attached to the report form on page 7.

- One two-hour aerospace-related activity is required (such as an airport tour or other aerospace field trip; building and launching hot-air balloons or rockets; aerospace career day or any meaningful aerospace activity as determined by the educator).



**"I use the AEX Program with my science students and with my science club. Many of the experiments tie into science benchmarks. The students love the experiments and getting a certificate."**

*Susan Wainwright, AEM*

# The AEX Award Program Application

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The AEX curriculum books will make it easy for you to prepare an exciting program for your students while meeting national education standards. These products use an aerospace theme to support traditional classroom curriculum such as Science, Math, Language Arts, Social Studies, History, and other subjects. One AEX award plaque will be given for each AEM per school year.

**Please return this form to sign up for the AEX program.**

Educator's Name	
Address	
City	
State/Zip Code	
School Name (If Applicable)	
E-mail Address (Required)	
Estimated Number of Students Participating	
AEX Program Activity Books	<input type="checkbox"/> AEX I [Kindergarten-Fifth Grade] <input type="checkbox"/> AEX I Vol II [Kindergarten-Fifth Grade] <input type="checkbox"/> AEX II [Sixth - Twelfth Grade] <input type="checkbox"/> AEX II Vol II [Sixth - Twelfth Grade]

Mail to:  
National Headquarters, Civil Air Patrol/LMA  
105 S. Hansell St. - Bldg 714  
Maxwell AFB, AL 36112-6332

Fax to:  
(334) 953-4235  
E-mail to:  
aex@cap.gov

# The AEX Award Report

Submit six weeks prior to presentation

School or Participant Name (Please Print) \_\_\_\_\_

Teacher Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_ Zip Code \_\_\_\_\_

\_\_\_\_\_

## Activity 1

Title of Activity \_\_\_\_\_

Number of Students Participating \_\_\_\_\_

## Activity 2

Title of Activity \_\_\_\_\_

Number of Students Participating \_\_\_\_\_

## Activity 3

Title of Activity \_\_\_\_\_

Number of Students Participating \_\_\_\_\_

## Activity 4

Title of Activity \_\_\_\_\_

Number of Students Participating \_\_\_\_\_

## Activity 5

Title of Activity \_\_\_\_\_

Number of Students Participating \_\_\_\_\_

## Activity 6

Title of Activity \_\_\_\_\_

Number of Students Participating \_\_\_\_\_

## Two-Hour Aerospace-Related Activity

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Send this report and attach substitute  
lesson plans (if used) to:  
National Headquarters, Civil Air Patrol  
Aerospace Education Division  
105 S. Hansell St., Building 714  
Maxwell AFB, AL 36112-6332  
or you may...

**FAX to: (334) 953-4235 or**  
**E-mail to: aex@cap.gov**

☐ Please send me \_\_\_\_\_ AEX Student  
Award Certificates (up to 150)



# Exploring New Worlds Together

October 19-21, 2006  
Crystal Gateway Marriott  
Arlington, VA

**NCASE**  
National Conference on Aviation  
and Space Education

**www.ncase.info**

2006 National Conference on Aviation and Space Education

#### The Aerospace Education Foundation:

- Supports the education of America's youth in math and the sciences.
- Assists the Air Force in meeting its educational requirements.
- Keeps the American public informed about aerospace issues.
- Advocates the importance of aerospace technology to the economic health, security and survival of our nation.
- Increases the quality and quantity of America's aerospace workforce.



For additional information, AEF's Web site is <http://www.aef.org>.

AEF has special scholarships for first-time CAP teacher AE memberships as well as **\$250 educator grants** for CAP teacher members that are designed to promote aerospace education activities in classrooms from kindergarten to 12th grades. The program encourages development of innovative aerospace activities within the prescribed curriculum. The program also encourages establishing an active relationship between the school and the local Air Force Association organization. To find out more about these grants, go to the AEF Web site at <http://www.aef.org/aid/educator.asp>.



#### Civil Air Patrol National Headquarters

Aerospace Education/LMA  
105 S. Hansell St.  
Maxwell AFB, Ala. 36112-6332

**EVERYDAY HEROES**

**The Faces of Civil Air Patrol**